2

Supplementary material:

Table S1.ICD-9 codes, diagnostics and number of specific diagnoses by BMI category

ICD-9	le S1.ICD-9 codes, diag diagnostics			n, (%)		
	J	BMI <25	BMI 25-30	BMI >30	TOTAL	- ^p value
53110	Acute gastric ulcer with perforation, without mention of obstruction	3(0.75)	2(0.56)	2(0.49)	7(0.60)	NS
53111	Acute gastric ulcer with perforation, with obstruction	1(0.25)	0	0	1(0.08)	NS
53120	Acute gastric ulcer with hemorrhage and perforation, without mention of obstruction	1(0.25)	0	0	1(0.08)	NS
53150	Chronic or unspecified gastric ulcer with perforation, without mention of obstruction	3(0.75)	0	2(0.49)	5(0.42)	NS
53160	Chronic or unspecified gastric ulcer with hemorrhage and perforation, without mention of obstruction	0	1(0.28)	1(0.24)	2(0.17)	NS
53210	Acute duodenal ulcer with perforation, without mention of obstruction	2(0.5)	3(0.84)	3(0.73)	8(0.68)	NS
53220	Acute duodenal ulcer with hemorrhage and perforation, without mention of obstruction	0(0)	4(1.12)	2(0.49)	6(0.51)	NS
53250	Chronic or unspecified duodenal ulcer with perforation,	4(1)	2(0.56)	4(1.98)	10(0.85)	NS

	without mention of obstruction					
53251	Chronic or	0	1(0.28)	0	1(0.08)	NS
	unspecified					
	duodenal ulcer					
	with perforation, with obstruction					
53260	Chronic or	1(0.25)	4(1.12)	0	5(0.42)	NS
00200	unspecified	_(00)	.(=.==)		· (• · · –)	
	duodenal ulcer					
	with hemorrhage					
	and perforation, without mention of					
	obstruction					
53450	Chronic or	0	1(0.28)	1(0.24)	2(0.17)	NS
	unspecified					
	gastrojejunal ulcer					
	with perforation, without mention of					
	obstruction					
53641	Infection of	7(1.75)	4(1.12)	6(1.47)	17(1.46)	NS
	gastrostomy					
5400	Acute appendicitis	7(1.75)	4(1.12)	3(0.73)	14(1.20)	NS
	with generalized peritonitis					
5401	Acute appendicitis	4(1)	3(0.84)	5(1.23)	12(1.03)	NS
	with peritoneal					
5544	abscess	0	1 (0.00)	•	4 (0.00)	1.10
5511	Umbilical hernia with gangrene	0	1(0.28)	0	1(0.08)	NS
55120	Ventral hernia,	0	1(0.28)	0	1(0.08)	NS
	unspecified, with		,		,	
	gangrene					
55129	Other ventral	1(0.25)	0	0	1(0.08)	NS
	hernia with gangrene					
5513	Diaphragmatic	1(0.25)	0	1(0.24)	2(0.17)	NS
	hernia with					
	gangrene					
5518	Hernia of other	1(0.25)	0	0	1(0.08)	NS
	specified sites, with gangrene					
56081	Intestinal or	48a(12)	25a,	22b(5.42)	95(8.16)	NS
	peritoneal	-	b(7.00)		-	

	adhesions with					
	obstruction					
	(postoperative)					
	(postinfection)					
56722	Peritoneal abscess	23(5.75)	25(7.00)	20(4.92)	68(5.84)	NS
56729	Other suppurative	18(4.5)	21(5.88)	19(4.67)	58(4.98)	NS
	peritonitis					
56738	Other	2(0.5)	1(0.28)	5(1.23)	8(0.68)	NS
	retroperitoneal					
	abscess					
56789	Other specified	4(1)	5(1.40)	4(0.98)	13(1.11)	NS
	peritonitis					
5679	Unspecified	10(2.5)	11(3.08)	8(1.97)	29(2.49)	NS
	peritonitis					
5680	Peritoneal	42(10.5)	44(12.3)	50(12.31)	136(11.6	NS
	adhesions)	
	(postoperative)					
	(postinfection)					
56961	Infection of	2(0.5)	1(0.28)	4(0.98)	7(0.60)	NS
	colostomy or					
	enterostomy					
56981	Fistula of intestine,	22(5.5)	12(3.36)	18(4.43)	52(4.47)	NS
	excluding rectum					
	and anus					
56983	Perforation of	47(11.75)	33(9.24)	45(11.0)	125(10.7	NS
	intestine		0 (0 = 0))	
5754	Perforation of	5(1.25)	2(0.56)	6(1.47)	13(1.11)	NS
F700	gallbladder	0	4 (0, 00)	4 (0.04)	0(0.47)	NO
5763	Perforation of bile	0	1(0.28)	1(0.24)	2(0.17)	NS
F7C4	duct	4/4)	1(0,00)	0	F(0, 40)	NIC
5764	Fistula of bile duct	4(1)	1(0.28)	0	5(0.42)	NS 0.007
5770	Acute pancreatitis	137a(34.25	144a,	174b(42.86	455(39.1	0.037
F0101	۸ ۱)	b(40.3)))	NIC
53121	Acute gastric ulcer	0	0	0	0	NS
	with hemorrhage					
	and perforation, with obstruction					
E01E1		0	0	0	0	NC
53151	Chronic or	0	0	0	0	NS
	unspecified gastric ulcer with					
	perforation, with					
	obstruction, with					
53161	Chronic or	0	0	0	0	NS
22101	unspecified gastric	J	U	U	U	IVO
	unspecified gastiff					

_	ulcer with					_
	hemorrhage and					
	perforation, with					
	obstruction					
53211	Acute duodenal	0	0	0	0	NS
	ulcer with					
	perforation, with					
	obstruction					
53221	Acute duodenal	0	0	0	0	NS
	ulcer with					
	hemorrhage and					
	perforation, with					
	obstruction					
53261	Chronic or	0	0	0	0	NS
	unspecified					
	duodenal ulcer					
	with hemorrhage					
	and perforation,					
	with obstruction					
53310	Acute peptic ulcer	0	0	0	0	NS
	of unspecified site					
	with perforation,					
	without mention of					
	obstruction					
53311	Acute peptic ulcer	0	0	0	0	NS
	of unspecified site					
	with perforation,					
	with obstruction					
53320	Acute peptic ulcer	0	0	0	0	NS
	of unspecified site					
	with hemorrhage					
	and perforation,					
	without mention of					
	obstruction					
53321	Acute peptic ulcer	0	0	0	0	NS
	of unspecified site					
	with hemorrhage					
	and perforation,					
	with obstruction					
53350	Chronic or	0	0	0	0	NS
	unspecified peptic					
	ulcer of unspecified					
	site with					
	perforation,					

	without mention of					
F22F1	obstruction Chronic	0	0	0	0	NC
53351	Chronic or	0	0	0	0	NS
	unspecified peptic					
	ulcer of unspecified					
	site with					
	perforation, with					
F0000	obstruction	0	0	0	0	NIC
53360	Chronic or	0	0	0	0	NS
	unspecified peptic					
	ulcer of unspecified					
	site with					
	hemorrhage and					
	perforation,					
	without mention of					
F0001	obstruction	0	0	0	0	NC
53361	Chronic or	0	0	0	0	NS
	unspecified peptic					
	ulcer of unspecified					
	site with					
	hemorrhage and					
	perforation, with					
53410	obstruction	0	0	0	0	NS
53410	Acute gastrojejunal	0	0	0	0	1/1/2
	ulcer with					
	perforation, without mention of					
	obstruction					
53411		0	0	0	0	NS
33411	Acute gastrojejunal ulcer with	U	U	U	U	INS
	perforation, with obstruction					
53420	Acute gastrojejunal	0	0	0	0	NS
33420	ulcer with	U	O	U	O	145
	hemorrhage and					
	perforation,					
	without mention of					
	obstruction					
53421	Acute gastrojejunal	0	0	0	0	NS
00121	ulcer with	O	O	O	O	140
	hemorrhage and					
	perforation, with					
	obstruction with					
53430	Acute gastrojejunal	0	0	0	0	NS
	gasta bjojanar	-	-	-	-	

	ulcer without					
	mention of					
	hemorrhage or					
	perforation,					
	without mention of					
	obstruction					
53451	Chronic or	0	0	0	0	NS
	unspecified					
	gastrojejunal ulcer					
	with perforation,					
	with obstruction					
53460	Chronic or	0	0	0	0	NS
	unspecified					
	gastrojejunal ulcer					
	with hemorrhage					
	and perforation,					
	without mention of					
==	obstruction					
53461	Chronic or	0	0	0	0	NS
	unspecified					
	gastrojejunal ulcer					
	with hemorrhage					
	and perforation, with obstruction					
53901	Infection due to	0	0	0	0	NS
55901	gastric band	U	U	U	U	1113
	procedure					
53981	Infection due to	0	0	0	0	NS
33301	other bariatric	O	O	O	O	140
	procedure					
55121	Incisional ventral	0	0	0	0	NS
	hernia, with	•	•	•	-	
	gangrene					
5519	Hernia of	0	0	0	0	NS
	unspecified site,					
	with gangrene					
56739	Other	0	0	0	0	NS
	retroperitoneal					
	infections					
5755	Fistula of	0	0	0	0	NS
	gallbladder					

Abbreviations: BMI: Body mass index; The letter a and b were used to indicate the

⁴ difference between groups and if there is statistical difference between the two

⁵ subgroups, different letters shall be used for identification.

TableS2. Univariate analysis of baseline characteristics by BMI category after adjustment of confounding factors

	confounding fact	ors		
	BMI<25 kg/m ²	BMI 25-30	BMI>30	р
	(n=357)	kg/m²	kg/m²	value
		(n=357)	(n=357)	
Age,n(%)				0.137
<45	51(14.29)	47(13.17)	43(12.04)	
45-64	116(32.49) ^a	120(33.61) ^{a,b}	150(42.02) ^b	
65-89	161(45.10)	171(47.90)	157(43.98)	
>90	29(8.12) ^a	19(5.32) ^a	7(1.96) ^b	
Female, n (%)	167(46.78)	141(39.50)	162(45.38)	0.115
Ethnicity, n (%)				0.199
White	264(73.95)	254(71.15)	268(75.07)	
Black	37(10.36)	36(10.08)	34(9.52)	
Hispanic or latino	10(2.80)	14(3.92)	8(2.24)	
Asian	6(1.68)	11(3.08)	1(0.28)	
Other	40(11.20)	42(11.76)	46(12.89)	
Marital status, n (%)				0.303
Married	167(46.78)	196(54.90)	183(51.26)	
Single/divorced/separated/unkn				
own	142(39.78)	121(33.89)	128(35.85)	
Widowed	48(11.20)	40(11.20)	46(12.89)	
Admission type, n (%)				0.036
Elective	33(9.24) ^a	50(14.01) ^{a,b}	55(15.41) ^b	
Emergency/urgent	324(90.76) ^a	307(85.99) ^{a,b}	302(84.59)b	
Insurance type, n (%)				0.550
Medicare/Medicaid	237(66.39)	236(66.11)	224(62.75)	
Private	108(30.25)	109(30.53)	125(35.01)	
Other	12(3.36)	12(3.36)	8(2.24)	
SOFA	5(3-8) ^a	5(3-7) ^{a,b}	5(3-9) ^b	0.014

SAPS II	40(30-50)	39(29-50)	39(29.5-50)	0.794
SIRS	3(3-4)	3(3-4)	3(3-4)	0.805
qSOFA	2(1-2)	2(1-2)	2(1-2)	0.122
OASIS	34(27-40)	33(28-41)	34(27-41)	0.943
Charlson comorbidity index	1(0-3)	2(0-3)	1(0-3)	0.817

8 Abbreviations: BMI: Body mass index; SOFA: sepsis-related organ failure assessment;

9 SAPSII: Simplified Acute Physiology Score II; SIRS: systemic inflammatory response

syndrome; OASIS: Oxford Acute Severity of Illness Score. The letter a and b were used

to indicate the difference between groups and if there is statistical difference between

the two subgroups, different letters shall be used for identification. Adjusted for age,

gender, admission type, insurance type, marital status, ethnicity.

Table S3. Univariate analysis of clinical outcome by BMI category after adjustment of confounding factors

	BMI<25 kg/m ²			
	(n=357)	$BMI25-30kg/m^2$ (n=357)	$BMI>30 \text{ kg/m}^2 \text{ (n=357)}$	p
Mortality,n(%)				_
Hospital mortality	69(19.33)	65(18.21)	51(14.29)	0.174
30-day mortality	65(18.21)	47(13.17)	45(12.61)	0.066
90-day mortality	99(27.73)	83(23.25)	76(21.29)	0.119
Length of stay ,day(IQR)				
Hospital LOS	14.98(8.53-28.53)	15.39(7.85-27.03)	16.16(9.12-29.87)	0.16
Living patients(n=886)	15.07(8.85-27.82)	14.33(7.91-24.88)	16.58(9.63-29.93)	0.082
Dead patients(n=185)	14.16(5.28-29.69)	17.98(7.08-33.25)	13.39(5.95-29.82)	0.992
ICU LOS	3.13(1.83-7.81) ^a	3.60(1.90-8.91) ^a	4.97(2.21-13.45) ^b	<0.001
Living patients(n=957)	3.10(1.78-6.61) ^a	3.25(1.82-7.74) ^a	4.93(2.21-13.29) ^b	<0.001
Dead patients(n=185)	5.91(2.21-13.96)	11.71(3.74-31.11)	6.86(2.08-15.09)	0.096

- 44 Abbreviations: BMI: Body mass index; LOS: length of stay. The letter a and b were
- 45 used to indicate the difference between groups and if there is statistical difference
- between the two subgroups, different letters shall be used for identification. Adjusted
- 47 for age, gender, admission type, insurance type, marital status, ethnicity.

71 Table S4. Univariate analysis of requirement of organ support therapy by BMI category after 72 adjustment of confounding factors

	$BMI < 25 kg/m^2 (n=357)$	$BMI25-30kg/m^2$ (n=357)	$BMI>30 \text{ kg/m}^2 \text{ (n=357)}$	p
Ventilation , n(%)	188(52.66)	203(56.86)	219(61.34)	0.064
Dialysis, n (%)	21(5.9)	30(8.4)	28(7.8)	0.4
Vasoactive agent, n(%)	123(34.45)	123(34.45)	129(36.13)	0.863

- 73 Abbreviations: BMI: Body mass index; The letter a and b were used to indicate the
- 74 difference between groups and if there is statistical difference between the two
- subgroups, different letters shall be used for identification. Adjusted for age, gender,
- admission type, insurance type, marital status, ethnicity.

Table S5. Univariate analysis of laboratory examination by BMI category

	BMI<25kg/m ²	BMI25-30kg/m ²	BMI>30kg/m ²	р
HGB	9.50(8.30-10.70),n=354	9.60(8.4-10.80),n=355	9.70(8.6-11.2),n=356	0.053
WBC	10(6.1-14.53),n=354	9.7(6.5-13.8),n=355	10.7(6.83-14.58),n=356	0.145
PLT	184.5(114.5-269.5)n=354	182(124-252)n=355	187(123.5-269.5)n=357	0.732
CRE	1.1(0.8-1.8) ^a ,n=354	1.2(0.9-2.2) ^b ,n=355	1.4(0.9-2.3) ^b ,n=357	<0.001
BUN	25(16-39),n=354	25(16-41),n=355	26(16-44.5),n=357	0.57
ALB	2.6(2.2-3.1),n=208	2.7(2.2-3.2),n=215	2.7(2.3-3.1),n=201	0.597
Cl	108(105-113) ^{a,b} ,n=354	109(105-112) ^a ,n=356	108(104-112) ^b ,n=357	0.021
K	3.6(3.2-4.0),n=354	3.7(3.3-4.0),n=356	3.7(3.4-4.1),n=357	0.124
Na	135(132-139) ^a ,n=354	136(133-139) ^{a,b} ,n=356	137(134-139) ^b ,n=357	0.042
GLU	152(122.75-194) ^a ,n=354	154(125-195.75) ^a ,n=356	168(136.5-224)b,n=357	0.001
LAC	2.6(1.6-4.6),n=279	2.7(1.5-4.425),n=286	2.4(1.4-4.2),n=287	0.329
BIL	1(0.5-2.85)	1.2(0.6-2.425)	1.1(0.6-2.5)	0.397

Abbreviations: BMI: Body mass index; HGB: hemoglobin; WBC: white blood cell count; PLT: platelet count; ALB: albumin; CRE: creatinine; BUN: urea nitrogen; GLU: glucose; LAC: lactate; BIL: bilirubin; Na: sodium; Cl: chlorine; K: potassium. The letter a and b were used to indicate the difference between groups and if there is statistical difference between the two subgroups, different letters shall be used for identification. Adjusted for age, gender, admission type, insurance type, marital status, ethnicity.

Table S6. The results of subgroup analysis of multi-factor regression analysis

Exposure	Acute pancreatitis HR, p Value	Other diagnostics HR, p Value
Non-adjusted		
BMI	0.98 (0.96, 1.00), 0.0612	0.98 (0.96, 0.99), 0.0009
BMI		
<25 kg/m ²	1.0(Reference)	1.0(Reference)
$25-30 \text{ kg/m}^2$	0.66 (0.46, 0.93), 0.0188	0.89 (0.70, 1.13), 0.3328
>30 kg/m ²	0.67 (0.49, 0.94), 0.0184	0.72 (0.57, 0.92), 0.0086
Adjust		
BMI	0.98 (0.95, 1.00), 0.0821	0.97 (0.95, 0.99), 0.0047
BMI		
<25 kg/m ²	1.0(Reference)	1.0(Reference)
$25-30 \text{ kg/m}^2$	0.65 (0.42, 1.01), 0.0534	0.81 (0.57, 1.15), 0.2391
>30 kg/m ²	0.70 (0.46, 1.08), 0.1065	0.61 (0.42, 0.89), 0.0103

Adjusted for gender; admission age; SOFA; admission type; insurance; marital status; ethnicity; HGB; GLU; ALB; Charlson comorbidity index.

167	Table S7. The results of multi-factor regression analysis after multiple imputation							
Exposure	MI.ITER= 0	MI.ITER= 1	MI.ITER= 2 HR,	MI.ITER= 3	MI.ITER= 4	MI.ITER= 5 HR,		
	HR, p value	HR, p value	<i>p</i> value	HR, p value	HR, p value	<i>p</i> value		
Non-adjusted								
ВМІ	0.98 (0.97,	0.98 (0.97,	0.98 (0.97,	0.98 (0.97,	0.98 (0.97,	0.98 (0.97,		
	0.99) < 0.0001	0.99) < 0.0001	0.99) < 0.0001	0.99) < 0.0001	0.99) < 0.0001	0.99) < 0.0001		
BMI								
$<25 \text{ kg/m}^2$	1.0(Reference)	1.0(Reference)	1.0(Reference)	1.0(Reference)	1.0(Reference)	1.0(Reference)		
25 20 kg/m²	0.78 (0.64,	0.75 (0.64,	0.85 (0.73,	0.81 (0.69,	0.82 (0.69,	0.79 (0.67,		
25-30 kg/m ²	0.96) 0.0158	0.88) 0.0005	1.01) 0.0589	0.95) 0.0110	0.96) 0.0159	0.93) 0.0049		
. 20 1 / 2	0.68 (0.56,	0.68 (0.58,	0.68 (0.58,	0.66 (0.56,	0.71 (0.61,	0.68 (0.57,		
>30 kg/m ²	0.83) 0.0001	0.80) < 0.0001	0.80) < 0.0001	0.78) < 0.0001	0.84) < 0.0001	0.80) < 0.0001		
Adjusted								
вмі	0.98 (0.96,	0.98 (0.97,	0.98 (0.97,	0.98 (0.97,	0.98 (0.97,	0.98 (0.97,		
	0.99) < 0.0001	0.99) < 0.0001	0.99) < 0.0001	0.99) < 0.0001	0.99) < 0.0001	0.99) < 0.0001		
BMI								
$<25 \text{ kg/m}^2$	1.0(Reference)	1.0(Reference)	1.0(Reference)	1.0(Reference)	1.0(Reference)	1.0(Reference)		
25-30 kg/m ²	0.74 (0.61,	0.74 (0.63,	0.82 (0.69,	0.79 (0.67,	0.80 (0.68,	0.77 (0.65,		
	0.91) 0.0042	0.88) 0.0004	0.97) 0.0192	0.94) 0.0069	0.95) 0.0088	0.91) 0.0019		
>30 kg/m²	0.65 (0.53,	0.65 (0.55,	0.65 (0.55,	0.63 (0.53,	0.68 (0.58,	0.66 (0.56,		
	0.79) < 0.0001	0.77) < 0.0001	0.77) < 0.0001	0.74) < 0.0001	0.81) < 0.0001	0.79) < 0.0001		

Adjusted for gender; admission age; SOFA; admission type; insurance; marital status;

ethnicity; HGB; GLU; ALB; Charlson comorbidity index.

191 T a	ble S8. Subgroup analysis of multi-factor regression analysis after multiple imputation							
Exposure	MI.ITER=0 HR,	MI.ITER= 1	MI.ITER= 2	MI.ITER= 3	MI.ITER= 4	MI.ITER= 5		
	<i>p</i> value	HR, p value	HR, p value	HR, p value	HR, p value	HR, p value		
Acute								
pancreatitis								
Non-adjusted								
вмі	0.98 (0.96,	0.98 (0.97,	0.98 (0.96,	0.98 (0.97,	0.99 (0.97,	0.99 (0.97,		
	1.00) 0.0612	1.00) 0.0348	1.00) 0.0288	1.00) 0.0491	1.00) 0.0863	1.01) 0.1758		
Adjust								
вмі	0.99 (0.97,	0.99 (0.97,	0.99 (0.97,	0.99 (0.97,	0.99 (0.97,	1.00 (0.98,		
	1.01) 0.3791	1.01) 0.1755	1.01) 0.1986	1.01) 0.2298	1.01) 0.2988	1.02) 0.8201		
Other patients								
Non-adjusted								
вмі	0.98 (0.96,	0.97 (0.96,	0.98 (0.96,	0.97 (0.96,	0.98 (0.96,	0.97 (0.96,		
	0.99) 0.0009	0.99) < 0.0001	0.99) < 0.0001	0.98) < 0.0001	0.99) < 0.0001	0.99) < 0.0001		
Adjust								
вмі	0.97 (0.96,	0.97 (0.96,	0.97 (0.96,	0.97 (0.96,	0.97 (0.96,	0.97 (0.96,		
	0.98) < 0.0001	0.98) < 0.0001	0.98) < 0.0001	0.98) < 0.0001	0.98) < 0.0001	0.98) < 0.0001		

Adjusted for gender; admission age; SOFA; admission type; insurance; marital status;

ethnicity; HGB; GLU; ALB; Charlson comorbidity index.

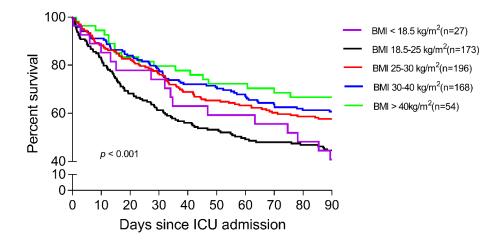


Figure S1. Kaplan–Meier curve for 90-days survival stratified by BMI. Abbreviations: BMI: Body mass index; Fig.S1 represents 90-days Kaplan–Meier curves, P<0.001 by log-rank test.

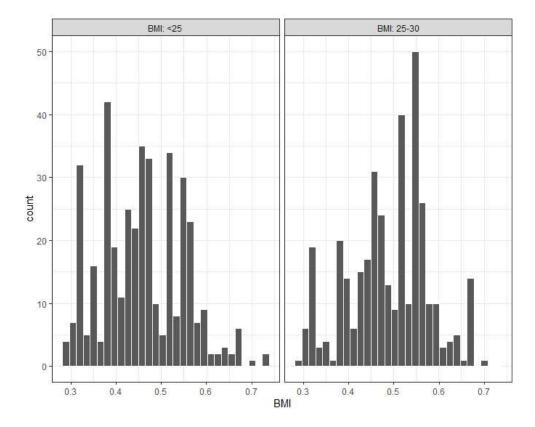


Figure S2. Propensity score counting of normal and overweight patients.

233 Abbreviations: BMI: Body mass index;

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Adjusted for age, gender, admission type, insurance type, marital status, ethnicity.

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Distribution of Propensity Scores

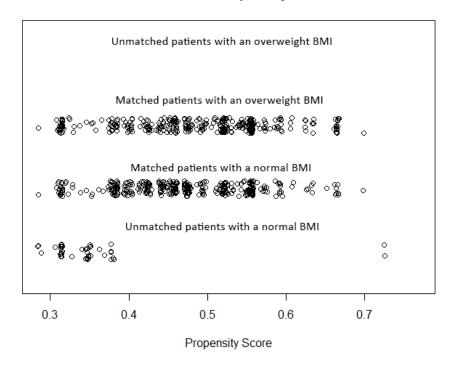


Figure S3. Distribution of propensity scores between normal and overweight patients. Abbreviations: BMI: Body mass index;

Adjusted for age, gender, admission type, insurance type, marital status, ethnicity.

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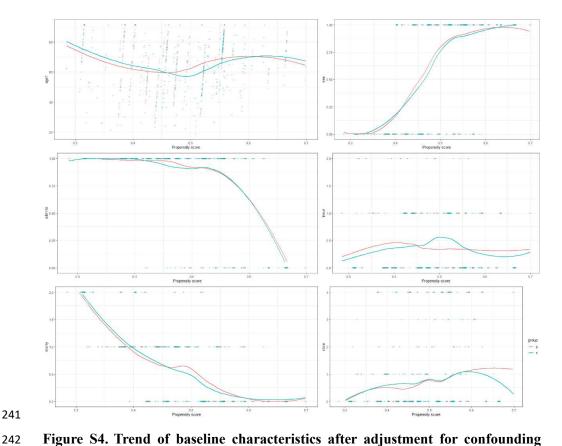


Figure S4. Trend of baseline characteristics after adjustment for confounding factors. Abbreviations: BMI: Body mass index; age1: Admission age of patients; sex: gender of patients; admmi: Admission type of patients; insur: Insurance type of patients; marry: Marital status of patients; race: Ethnicity of patients; group 0: patients with an overweight BMI; group 1: patients with a normal BMI; Adjusted for age, gender, admission type, insurance type, marital status, ethnicity.

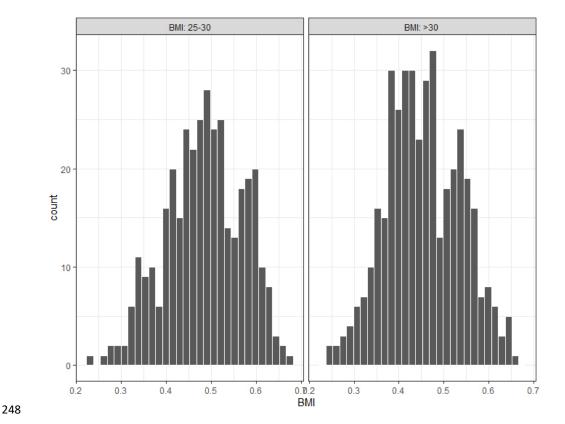


Figure S5. Propensity score counting of obese and overweight patients.

250 Abbreviations: BMI: Body mass index;

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Adjusted for age , gender ,admission type, insurance type ,marital status , ethnicity.

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Distribution of Propensity Scores

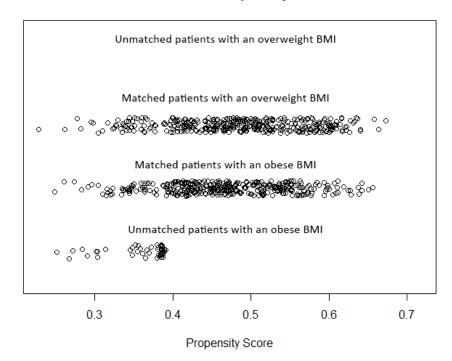


Figure S6. Distribution of propensity scores between obese and overweight patients. Abbreviations: BMI: Body mass index;

Adjusted for age , gender ,admission type, insurance type ,marital status , ethnicity.

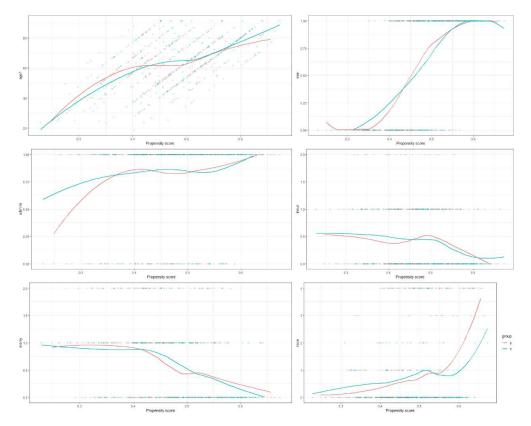


Figure S7. Trend of baseline characteristics after adjustment for confounding factors. Abbreviations: BMI: Body mass index; age1: Admission age of patients; sex: gender of patients; admmi: Admission type of patients; insur: Insurance type of patients; marry: Marital status of patients; race: Ethnicity of patients; group 0: patients with an overweight BMI; group 1: patients with a obese BMI; Adjusted for age, gender, admission type, insurance type, marital status, ethnicity.

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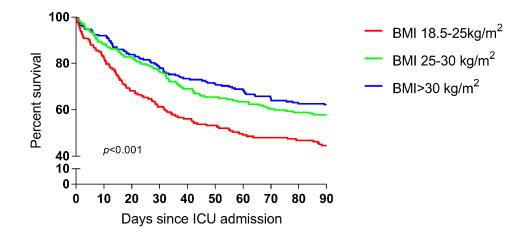


Figure S8. Kaplan–Meier curve for 90-days survival stratified by BMI. Abbreviations: BMI: Body mass index; Fig.S8 represents 90-days Kaplan–Meier curves, P<0.001 by log-rank test.